

Claims

1. Method for determining deviations of an end-system
 5 message (17) of modular structure generated in a
 hierarchically-structured end system of a
 telecommunications device by comparison with a
 reference message (7) with the following procedural
 stages:

- 10 - reading in of a reference message (7),
- reading in of an end-system message (17),
 generated in the end system,
- implementation of a message-structure analysis of
 the reference message (7),
- 15 - implementation of a message-structure analysis of
 the generated end-system message (17),
- determination of deviations of the end-system
 message (17) from the reference message (7), and
- presentation of structural units (23, 24, 24.1_{END},
 20 24.1.1_{END}, 28) of the end-system message (17)
 generated in the end system deviating by comparison
 with the reference message (7).

2. Method according to claim 1,

25 **characterised in that**
 identical structural units (29, 30) of the
 reference message (7) and of the end-system message
 (17) generated in the end system are additionally
 presented, wherein the structural units (23, 24,
 30 24.1_{END}, 24.1.1_{END}, 28) of the end-system message
 (17) deviating from the reference message (7) are
 presented in a manner graphically distinguishable
 from the identical structural units (29, 30).

3. Method according to claim 1 or 2,
characterised in that
structural units (24.1_{REF}, 24.1.1_{REF}, 24.1.1.1_{REF},
24.1.1.2_{REF}, 24.1.1.3_{REF}) only present in the
5 reference message (7) are additionally presented in
a manner graphically distinguishable from the other
structural units.
4. Method according to any one of claims 1 to 3,
10 **characterised in that**
structural units (24.1_{END}, 24.1.1_{END}) only present in
the generated end-system message (17) are presented
in a manner graphically distinguishable from the
other structural units.
- 15 5. Method according to any one of claims 1 to 4,
characterised in that
the structural units (23, 24, 24.1_{END}, 24.1.1_{END},
24.1_{REF}, 24.1.1_{REF}, 24.1.1.1_{REF}, 24.1.1.2_{REF},
20 24.1.1.3_{REF}, 27, 29, 30) at least of the end-system
message (17) are presented in a manner
corresponding to the modular construction.
6. Method according to any one of claims 1 to 5,
25 **characterised in that**
the presentation is provided in a first region (20)
of a screen display.
7. Method according to any one of claims 1 to 6,
30 **characterised in that**
the structural units (23, 24, 24.1_{END}, 24.1.1_{END}, 27,
29, 30) of the end-system message (17) are
presented in a second region (21), wherein the
structural units (23, 24, 24.1_{END}, 24.1.1_{END}, 27)

deviating from the reference message (7) are presented in a manner distinguishable from the other structural units of the second region (21).

- 5 8. Method according to any one of claims 1 to 7,
 characterised in that
 the structural units (23, 24, 24.1_{REF}, 24.1.1_{REF},
 24.1.1.1_{REF}, 24.1.1.2_{REF}, 24.1.1.3_{REF}, 29, 30) of the
 reference message (7) are presented in a third
 10 region (22), wherein the structural units (23, 24,
 24.1_{REF}, 24.1.1_{REF}, 24.1.1.1_{REF}, 24.1.1.2_{REF},
 24.1.1.3_{REF}) deviating from the end-system message
 (17) are presented in a manner distinguishable from
 the other structural units of the third region.
- 15 9. Digital storage medium with electronically-readable
 control signals, which can co-operate with a
 programmable computer or digital signal processor
 in such a manner that the method according to any
 20 one of claims 1 to 8 is implemented.
- 25 10. Computer software with program-code means for the
 implementation of all stages according to any one
 of claims 1 to 8, when the software is run on a
 computer or a digital signal processor.
- 30 11. Computer software with program-code means, for the
 implementation of all stages according to any one
 of claims 1 to 8, when the software is stored on a
 machine-readable data carrier.
12. Computer software product with program-code means
 stored on a machine-readable data carrier, for the
 implementation of all stages according to any one

of claims 1 to 8, when the software is run on a computer or a digital signal processor.